



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: J.A. Shelford et al. Attorney Docket No.: UOBC121469
Application No.: 10/620,299 Group Art Unit: 1761
Filed: July 14, 2003
Title: ADDITIVE FOR LIVESTOCK FEEDS

INFORMATION DISCLOSURE STATEMENT


TO THE COMMISSIONER FOR PATENTS:

Applicants are aware of the information listed in the attached form that may be material to the prosecution of the above-identified patent application.

1. X Copies of the listed foreign patent documents and other information are enclosed for the Examiner's use.
2. X A concise explanation of the relevance of document Cite Nos. F2, F6, and F8-F11 (which are not in the English language), as presently understood by the individual designated under 37 C.F.R. § 1.56(c) most knowledgeable about their contents, is provided in English abstracts appended to said documents.
3. X Pursuant to 37 C.F.R. § 1.97(b), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits.

Respectfully submitted,

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I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid and addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below date.

Date: 3/17/04
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INFORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL TO THE
PROSECUTION OF THE SUBJECT APPLICATION

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U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
_____	U1	3,862,333	A	01/21/1975	Chalupa et al.
_____	U2	4,661,358	A	04/28/1987	Brokken et al.
_____	U3	5,230,836	A	07/27/1993	Todd, Jr.
_____	U4	5,244,681	A	09/14/1993	Vinci et al.
_____	U5	5,314,852	A	05/24/1994	Klatte
_____	U6	5,895,659	A	04/20/1999	Lüddecke et al.
_____	U7	5,968,251	A	10/19/1999	Auweter et al.
_____	U8	6,013,255	A	01/11/2000	Edens et al.
_____	U9	6,221,381	B1	04/24/2001	Shelford et al.

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
_____	F1	AU 665091	B	12/14/1995	AU		
_____	F2	DE 3220103	A1	12/01/1983	DE	X	
_____	F3	EP 0154959	A2	09/18/1985	EP		
_____	F4	EP 1044687	A1	10/18/2000	EP		
_____	F5	EP 1066761	A2	01/10/2001	EP		
_____	F6	FR 2700668	A1	07/29/1994	FR	X	

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*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
	F7	GB 1078285	A	08/09/1967	GB		
	F8	JP 5-25042	A	02/02/1993	JP	X	
	F9	JP 6-62761	A	03/08/1994	JP	X	
	F10	SU 1676572	A1	09/15/1991	SU	X	
	F11	WO 95/03712	A1	02/09/1995	WO	X	

OTHER INFORMATION

(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Cite No.	
	O1	Castanon, M., and C.R. Wilke, "Effects of the Surfactant Tween 80 on Enzymatic Hydrolysis of Newspaper," <i>Biotechnology and Bioengineering</i> 23:1365-1372, 1981.
	O2	Halle, S.S., et al., "Effect of Surfactants on Cellulose Hydrolysis," <i>Biotechnology and Bioengineering</i> 42:611-617, 1993.
	O3	Jouany, J.P., "Methods of Manipulating the Microbial Metabolism in the Rumen," <i>Ann. Zootech.</i> 43:49-62, 1994.
	O4	Kung, Jr., L., et al., Effects of Plant Cell-Wall-Degrading Enzymes and Lactic Acid Bacterial on Silage Fermentation and Composition, <i>J. Dairy Sci.</i> 74(12):4284-4296, 1991.
	O5	Madamwar, D., et al., "Effects of Various Surfactants on Anaerobic Digestion of Water Hyacinth-Cattle Dung," <i>Bioresource Technology</i> 37:157-160, 1991.
	O6	Muck, R.E., "Factors Influencing Silage Quality and Their Implications for Management," <i>J. Dairy Sci.</i> 71(11):2992-3002, 1988.
	O7	Ooshima, H., et al., "Enhancement of Enzymatic Hydrolysis of Cellulose by Surfactant," <i>Biotechnology and Bioengineering</i> 28:1727-1734, 1986.
	O8	Perry, T.W. (ed.), <i>Beef Cattle Feeding and Nutrition</i> , Academic Press, Inc., New York, 1980, p. 11.

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_____ O9 Shirley, R.L. (ed.), *Nitrogen and Energy Nutrition of Ruminants*, Academic Press, Inc., New York, 1986, p. 124.

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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